

36. The polynucleotide of claim 31, wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:10, SEQ ID NO:12, or SEQ ID NO:14.

37. A chimeric gene comprising the polynucleotide of claim 31 operably linked to a regulatory sequence.

38. An isolated polynucleotide containing 30 nucleotides, wherein the nucleotide sequence containing 30 nucleotides is comprised by the polynucleotide of claim 31.

39. A method for transforming a cell comprising transforming a cell with the polynucleotide of claim 31.

40. A cell comprising the chimeric gene of claim 37.

41. A method for producing a plant comprising transforming a plant cell with the polynucleotide of claim 31 and regenerating a plant from the transformed plant cell.

42. A plant comprising the chimeric gene of claim 37.

43. A seed comprising the chimeric gene of claim 37.

REMARKS

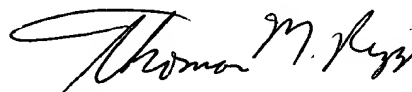
Claims 1-30 have been cancelled, and claims 31-43 have been added. Claims 31-43 are pending. The present application is a divisional application of U.S. application serial No. 09/352,990. The present claims correspond to Group III claims.

Support for the sequence identities of 80%, 85%, 90%, and 95% is found on page 6, 1st paragraph of the specification. Support for claim 38 is found on page 6, lines 25-28 of the specification. Support for claims 41-43 is found in Examples 7 and 8, pages 21-25 of the specification.

Please charge any necessary fee to Deposit Account 04-1928
(E. I. du Pont de Nemours and Company).

In view of the foregoing, allowance of the above-referenced application is respectfully requested.

Respectfully submitted,



Thomas M. Rizzo, Ph.D.
Attorney For Applicants
Registration No. 41,272
Telephone: 302-892-7760
Facsimile: 302-892-1026

Dated: May 1, 2001